	by certify that this correspondence is ben Web with the United States Patent and Tr	
ов	August 10, 2006	
TOWN	NSEND and TOWNSEND and CREW I	LP
Rv:	/Aaron Holcamera/	

Attorney Docket No.: PATENT 15280W002100US
Client Reference No.: E-286-1998/1-US-

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Confirmation No · 9701

BRENNEMAN et al.

Examiner: Standley, Steven H.

Application No.: 10/049,587

Art Unit: 1649

Filed: February 12, 2002 INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR \$1.97 and

For: ORALLY ACTIVE PEPTIDES
THAT PREVENT CELL DAMAGE AND

§1.98

DEATH

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of references AA - AG are not provided, in compliance with the provisions of 37 CFR §1.98(a)(2). Copies of references AH - CC are provided herewith.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no BRENNEMAN et al. Application No.: 10/049,587 Page 2

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

/Beth L. Kelly/

Beth L. Kelly Reg. No. 51,868

TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, Eighth Floor San Francisco, California 94111-3834 Tel: 415-576-0300 Fax: 415-576-0300 BLK-ath

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Sub	stitute for form 1449A/PTO				Complete if Known
				Application Number	10/049,587
IN	INFORMATION DISCLOSURE			Filing Date	February 12, 2002
S	TATEMENT BY A	PPL	CANT	First Named Inventor	Brenneman, Douglas
				Art Unit	1649
	(Use as many sheets as	necessar	nd	Examiner Name	Standley, Steven H.
Sheet	1	of	6	Attorney Docket Number	15280W-002100US

Examiner Initials*	No 1	Document Number  Number Kind Code <sup>2 (Floride</sup>	Publication Date MM-DD-YYYY	Name of Paterties or Applicant of Cited Document	Pages Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	4,587,046	05-08-1988	Goodman et al.	
	AB	5,787,240	06-18-1998	Brenneman et al.	
	AC	8,174,862 B1	01-18-2001	Brenneman	
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Examiner Cite					Name of Patentee or	Pages, Columns, Lines.		
	No.1	Country Code <sup>3</sup>	MALOD WOOV Applicant of Color Deciment	Applicant of Oried Document	Where Relevant Passages or Relevant Figures Appear	T°		
	АН	wo	92/18140	A1	10-29-1992	The United States of America, represented by The Secretary, Department of Health and Human Services		
	Al	wo	96/11948	A1	04-25-1996	The Government of the United States of America, as represented by the Sucretary of the Department of Health and Human Services.		
	AJ	wo	98/35042	A1	08-13-1998	The Government of the United States of America, represented by the Secretary of the Department of Health and Human Services		
	AK	wo	00/27875	A2	05-18-2000	The Government of the United States of America as represented by the Secretary of the Department of Health and Haman Services; and Ramot University Authority for Applied Research and Industrial Development		
	AL	wo	00/53217	A2	09-14-2000	The Government of the United States of America, as represented by the Secretary of the Department of Health and Harman Services, and Ramot of Tel Aviv University		
	АМ	wo	01/12654	A2	02-22-2601	Ramot University, Authority for Applied Research & Industrial Development Ltd; and The Government of the United States of America, represented by the Department of Health and Harran Services.		

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IN	FORMATION DI	SCLO	SURE	Filing Date	February 12, 2002	
S	TATEMENT BY A	APPLI	CANT	First Named Inventor	Brenneman, Douglas	
				Art Unit	1649	
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Sheet	2	of	6	Attorney Docket Number	15280W-002100US	

FOREIGN PATENT DOCUMENTS									
Examiner Initials*		Fo	reign Patent Do	ocument	Publication Date	Name of Palentee or	Pages, Columns, Lines, Where Relevant Passages	Г	
Intradio.		Country Code <sup>3</sup>	Number*	Kind Code <sup>†</sup> (Fitnese)	MM-00-YYYY	NYY Applicant of Cited Document	or Relevant Figures Appear	Т,	
	AN	EP	1 206 489	81	05-08-2004	Ramot University, Authorify for Applied Research & Industrial Development Ltd; and The Government of the United States of America, represented by the Department of Health and Human Services			

Examiner Signature	Date Considered	

Substitute	for form 1449B/PT	0		Complete If Known			
				Application Number	10/049,587		
INFO	RMATION	DISCLOS	URE	Filing Date	February 12, 2002		
STA	TEMENT E	BY APPLICA	ANT	First Named Inventor	Brenneman, Douglas		
				Art Unit	1649		
	(Use as many sheets as necessary)			Examiner Name	Standley, Steven H.		
Sheet	3	of	7	Altorney Docket Number	15280W-002100US		

		NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, senal, symposium, calating, etc.), date, page(s), volume-asue number(s), publisher, cty and/or country where publishery where publisher.	T2				
	AO	Bassan, M. et al. "VIP-Induced Mechanism of Neuroprotection: The Complete Sequence of a Femtomolar-Acting Activity-Dependent Neuroprotective Protein." Regulatory Papilides, Vol. 71, No. 2, (August 15, 1997).	┌				
	AP	Bassan, M. et al. "Complete Sequence of a Novel Protein Containing a Ferntomolar-Activity-Dependent Neuroprotective Pepide." Journal of Neurochiemistry, Vol 72, pp. 1283-1293 (1999)					
	AQ	Bern-Adam, L. et al. "Activity-Dependent Neurotrophic Protein is Neuroprotective in a Mouse Model of Closed Head Injury." Socialy for Neuroscience, 28 <sup>th</sup> Annual Meeting, Los Angeles, CA, November 7-12, 1998. Abstracts, Vol. 23, Part. 1, p. 1054 (1996).					
	AR	Brenneman, D.C., and Gozes, I. "A Femtomolar-Acting Neuroprotective Peptide." Journal of Clinical Invastigation, Vol. 97, pp. 2399-2307 (1996)					
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	AX	Dibbern, D.A., x. et al. "Inhibition of Munne Embryone Crowth by Human Immunode froency Virus Envelope Protein and its Prevention by Visusactive Intestinal Peptide and Activity-Dependent Neurotrophic Factor." Journal of Clinical Investigation, Viv. 198, pp. 2837-7364 (1997)					
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xaminer		Date Considered					

EXAMINER: Initial if reference considered, whether or not obtation is in conformance with MPEP 609. Draw line through obtation if not in conformance and not considered include copy of this form with next communication to applicant.

\*\*Applicant\*\* unique citation designation number (opinions).\*\*Applicant\*\* unique citation number (opinions).\*\*Applicant\*\* unique cita

Substitute	for form 14496/PT	0		Complete If Known			
				Application Number	10/049,587		
INFO	RMATION	DISCLOS	URE	Filing Date	February 12, 2002		
STA	TEMENT E	Y APPLIC	ANT	First Named Inventor Brenneman, Douglas			
				Art Unit	1649		
	(Use as many sheets as necessary)			Examiner Name	Standley, Steven H.		
Sheet	4	of	7	Altorney Docket Number	15280W-002100US		

		NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), tills of the article (when appropriate), tills of the item (book, magazine, journal, sensil, symposium, calsiog, etc.), dde, page(s), volume-assue number(s), publisher, city and/or country where published.	T 2				
	ВА	Glazor, G.W. et al. "A finite Acid Poptide Fragment of Acting-Oppendent Neurotrophic Factor (ADNF) Protects Neurons from Oxidatine Stems-Induced Death." Society for Neuroscience, 27th Annual Meeting, New Orleans, LA, October 25-30, 1997. Adultecth, Vol. 22, Part 2, p. 2248 (1997).					
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	вс	Gozes, I. and Brenneman, D.E. "Activity-Dependent Neurotrophic Factor (ADNF) * Journal of Molasular Neuroscience, Vol. 7, pp. 235-244 (1996).					
	BD	Gazes, I. et al. "Steary/-Nodeucone-Vascactive retestinal Peptide (VIP): A novet VIP Analog for Noninvasive Impotence Treatment" Endocrinology, Vol. 134, pp. 2125 (1994).					
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	BG	Gazes I. et al. "Antisenum to Activity-Dependent Neurolrophic Factor Produces Neuronal Cell Death in CNS Cultures: Immunological and Biological Specificity." Developmental Brain Research, Vol. 96, pp. 167-175 (1997).					
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	BJ	Gozes, I. et al. "The cDNA Structure of a Novel Ferniomolar-Acting Neuroprotective Protein. Activity-Dependent- Neurotrophic Factor III (ADNPIII): "Society for Neuroscience, 27th Annual Meeting, New Orleans, LA, October 25-30, 1967. Abstracts, Vol. 423, Part 2, p. 2205 (1993).					
	ВК	BK Gozes, et al., "A Newel Signaling Molecule for Neuropsylide Action: Activity-dependent Neuroprotective Protein", Annals of the New York Academy of Sciences, 887 125-135 (1999)					
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EXAMINER: Initial if reference considered, whether or not obtains is in conformance with MPEP 609. Draw line through obtains if not in conformance and not considered include copy of this form with need communication to applicant.

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Substitute	for form 14498/PT	0		Complete if Known			
				Application Number	10/049,587		
INFO	RMATION	DISCLOS	URE	Filing Date	February 12, 2002		
STAT	TEMENT E	BY APPLIC	ANT	First Named Inventor Brenneman, Douglas			
				Art Unit	1649		
	(Use as many sheets as necessary)			Examiner Name	Standley, Steven H.		
Sheet	5	of	7	Altorney Docket Number	15280W-002100US		

	_	NON PATENT LITERATURE DOCUMENTS	_		
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETIERS), tills of the article (when appropriate), title of the item (book, megazine, journal, senal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2		
	Вм	Gressens, P. at al. "Growth Factor Function of Vasoactive Intestinal Peptide in Whole Cultured Mouse Embryos." Nature 962:155-58 (1993)			
	BN	Hanngan, J.H. and Berman, R.F. "Amelioration of Fetal Alcohol-Related Neurodevelopmental Disorders in Ratic Exploring Pharmacological and Environmental Treatments." Neurotoxico: & Taratol 22(1):103-111 (2000).			
	во	HII, J.M. et al. "Learning Impairment in Adult Mice Produced by Early Embryonic Administration of Artiseum to Adulty- Depondent Neurotrophic Factor (ADMF)." Society for Neuroscience, 2 <sup>Th</sup> Annual Meeting, New Orleans, LA, October 25-50, 1987. Adultschus, Vel 23, Part 2, p. 2500 (1987).			
	ВР	Liling, G et al. "Inhibition of Human Neuroblastoma Growth by a Specific VIP Antagonist." Journal of Molecular Neuroscience, Vol. 5, pp. 231-239 (1995).			
	BQ	Mahato et al. "Development of Targeted Delivery Systems for Nucleo: And Drugs." J. of Drug Targeting 4(6):337-357 (1997) [Abstract]			
	BR	McKune, S.K. et al. "Localization of mRNA for Activity-Dependent Neurotrophic Factor III (ADNF III) in mouse Embryo and Aulti CNS." Society for Neuroscience, 27th Annual Meeting, New Orleans, LA, October 25-30, 1997. Abstracts, Vol. 23, Pert. 2, 2240 (1997).			
	BS	Nagase, et al., "Prediction of the Coding Sequences of Undentified Human Genes XI. The Complete Sequences of 100 New cDNA Clones from Brain Which Code for Large Proteins in vitro", DNA Research 5:5277-286 (1998)			
	вт	Nelbook, P. et al. "A cDNA for a Prolein that Interacts with the Human Immunodeficiency Virus Tat Transactivator. Science, Vol. 246, pp. 1650-1653 (1999)			
	BU	Oberdoester, J. et al. "The Effects of Ethanol on Neuronal Cell Death: Implication for the Fetal Alcohol Syndrome," FASEB Journal 12(4):A134 (March 17, 1989).			
	BV	Pelsman, A. et al. "In Vitro Degeneration of Down Syndrome neurons is Psevented by Activity-Dependent Neurotrophic Factor-Derived Peptides." Society for Neuroscience, 25 <sup>55</sup> Annual Meeting, Los Angeles, CA, November 7-12, 1988. Activate, Vol. 2, p. 1044 (1998).			
	BW	Skolhok, J. and Fetow, J.S. "From Genes to Ptolern Structure and Function: Novel Applications of Computational Approaches in the Genomic Era." Trends in Biotech. 18(1):34-39 (2000)			
	вх	Smith, A.E. "Viral Vectors in Gene Therapy." Ann. Rev Microbiol. 49 807-838 (1995) [Abstract]			
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EXAMINER: Initial if reference considered, whether or not obtation is an conformance with MPEP 609. Draw line through obtation if not in conformance and not considered include copy of this form with next communication to applicant.

\*\*Applicant's unique celation designation number (options).\*\*Applicant's unique celation designation is attached.

Substitute for form 1449B/PTO				Complete If Known			
				Application Number	10/049,587		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	February 12, 2002		
				First Named Inventor	Brenneman, Douglas		
				Art Unit	1649		
(Use as many sheets as necessary)				Examiner Name	Standley, Steven H.		
Sheet	6	of	7	Altorney Docket Number	15280W-002100US		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), tills of the article (when appropriate), tills of the item (book, misgazine, journal, sensil, symposium, calalog, etc.), disc, page(s), volume-issue number(s), publisher, city and/or country where published.	Т
	BY	Spinney, L. "New Peptides Prevent Brain Damage." Molecular Medicine Today 5(7):282 (July 1999).	С
	BZ	Spong et al. "Prevention of Fetal Alcohol Syndrome by Novel Peptides." FASES Journal 13(5):A881 (March 15, 1991)	Е
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	СВ	Voet et al. <u>Bochweisty, 2nd Ed</u> , p 67	Е
	СС	Wilkemeyer et al. "Differential effects of ethanol antagonism and neuroprotection in peptide tragment NAPVSIPQ prevention of ethanol-induced developmental toxicity" PNAS 166:5543-5548 (2003)	C
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